



BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

DIVISION: BYATARAYANAPURA

SUB DIVISION: VIDYARANYAPURA

***Name of Work: Modified Estimate for Maintenance
And Repair of Burial Grounds in Ward No. 10
(Doddabommasandra).***

Job Code: 010-20-000066

Estimated Cost: Rs: 10.00 Lakhs

Tender Premium: Rs: 7.55 Lakhs

Executed Cost: Rs: 7.55 Lakhs

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK:- Maintenance And Repair of Burial Grounds in Ward No. 10 (Doddabommasandra).

Modified Est Cost.Rs.							755294.00	
SI No	Description of work	Mesurement				Qty	Rate	Amount
		Unit	No.	L	B			
1	KSRB 2-2.4:Earth work for lowering and levelling the ground other than foundation works by mechanical means upto 3.00 depth, including providing shoring strutting and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, filling back the excavated earth to the extent required & utilising/transporting the remaining earth upto 1.00 km lead. Including the cost of labour & HOM as per drawing and technical specification. (pg no.8, I/No2.24,)	Cum						
			1	30.00	48.00	0.30	432.00	
	Total						432.00	114.92
								49645.00
2	KSRB 2-2.1:: Earthwork excavation for foundationof buildings, water supply and sanitary lines and electrical conduitsetc, either in pits or in trenches 1.5m and above in width, in soil notexceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.. No. KBS 2.1(b) / 2.3.5 (pg no.6, I/No2.4,)	Cum						
	Compound Wall							
	E/S		1	18.15	1.00	1.00	18.15	
			1	3.60	1.00	1.00	3.60	
	S/S		1	15.00	1.00	1.00	15.00	
			1	15.00	1.00	1.00	15.00	
			1	4.40	1.00	1.00	4.40	
	Total						56.15	268.60
								15082.00
3	KSRB 4-1.2 : Providing and laying in position plain cement concreteof Mix 1:4:8 with OPC @ 220kgs, with 40mm and down size gradedgranite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers notexceeding 15 cms. thick, well compacted, in foundation, including costof all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (pg No.13.I.No.4.2)	Cum						
	Compound Wall							
	E/S		1	18.15	1.00	0.15	2.72	
			1	3.60	1.00	0.15	0.54	
	S/S		1	15.00	1.00	0.15	2.25	
			1	15.00	1.00	0.15	2.25	
			1	4.40	1.00	0.15	0.66	

SI No	Description of work	Measurement					Qty	Rate	Amount
		Unit	No.	L	B	D			
	infront of RO Plant								
	CC Road		1	10.50	7.00	0.15	11.03		
			1	7.20	3.30	0.15	3.56		
			1	10.00	1.00	0.15	1.50		
	Total						24.51	4751.26	116461.00
4	KSRB 5.2-3 : - Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (P.No.25- I.No.5.6)	Cum							
	Compound Wall								
	First Course								
	E/S		1	18.15	0.60	0.60	6.53		
			1	3.60	0.60	0.60	1.30		
	S/S		1	15.00	0.60	0.60	5.40		
			1	15.00	0.60	0.60	5.40		
			1	4.40	0.60	0.60	1.58		
	Second Course								
	First Course								
	E/S		1	18.15	0.45	0.45	3.68		
			1	3.60	0.45	0.45	0.73		
	S/S		1	15.00	0.45	0.45	3.04		
			1	15.00	0.45	0.45	3.04		
			1	4.40	0.45	0.45	0.89		
	Total						31.58		
	Qty upto 125%						29.76	4204.24	125129.00
	Qty Above 125%						1.82	4204.24	7660.00
	Basic Rate	4596.00							
	Area Weightage @ 8%	367.68							
	Total	4963.68							
	Tender Premium @ 15.30% Below	-759.44							
	Grand Total	4204.24							
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. No. KBS 4.6.2 (P.No.16 - I.No.4.31)	Sqm							
	For plinth beam								
	E/S		2	18.15		0.30	10.89		
			2	3.60		0.30	2.16		
	S/S		2	15.00		0.30	9.00		

SI No	Description of work	Measurement				Qty	Rate	Amount
		Unit	No.	L	B	D		
			2	15.00		0.30	9.00	
			2	4.40		0.30	2.64	
	Total						33.69	
	Qty upto 125%						30.53	327.48
	Qty Above 125%						3.17	327.48
	Basic Rate	358.00						
	Area Weightage @ 8%	28.64						
	Total	386.64						
	Tender Premium @ 15.30% Below	-59.16						
	Grand Total	327.48						
6	KSRB 4-6.5 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for columns, pillars, postand struts, square / rectangular/ polygon in plan including cost of allmaterials, labour complete as per specifications.Specification No. KBS 4.6.2 (P.No.16 - I.No.4.32)	Sqm						
	Total		Not Executed				0.00	417.13
7	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design Mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggretes @ 0.47cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedestals, retaining walls, return walls, walls (any thickness) including attached pilasters,columns, pillars,posts,struts,buttresses,bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications.(P.No.14-I.No.4.10)	Cum						
	For plinth beam							
	E/S		1	18.15	0.30	0.30	1.63	
			1	3.60	0.30	0.30	0.32	
	S/S		1	15.00	0.30	0.30	1.35	
			1	15.00	0.30	0.30	1.35	
			1	4.40	0.30	0.30	0.40	
	Total						5.05	5316.59
8	KSRB M2200-6 Providing T.M.T bars Fe 550 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. MORTH Specification NO.1600&2200 (Pg No.229 Item No.28.8.3)	Tonne						
		Cum					5.05	

SI No	Description of work	Measurement				Qty	Rate	Amount
		Unit	No.	L	B	D		
		kg	Steel assumed 100Kg/Cum of Concrete			505.35		
		tonne				0.51		
	Total					0.51	62946.47	31810.00
9	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m ³ having a minimum average compressive strength of 4.00 N/mm ² conforming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. blocks of size 400x200x200mm KBS No.5.4 (P.No-27,I No-5.26.1)	Sqm						
	Compound Wall							
	E/S		1	18.15		2.30	41.75	
			1	3.60		1.60	5.76	
	S/S		1	15.00		1.80	27.00	
			1	15.00		2.00	30.00	
			1	4.40		2.10	9.24	
	W/S		1	18.20		0.40	7.28	
			1	13.15		1.60	21.04	
			1	5.00		2.10	10.50	
	Total					152.57		
	Qty upto 125%					91.58	814.81	74616.00
	Qty Above 125%					60.99	880.00	53671.00
	Basic Rate	962.00						
	Area Weightage @ 8%	76.96						
	Total	1038.96						
	Tender Premium @ 15.30% Below	-158.96						
	Grand Total	880.00						
10	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-116,I No-15.16)	Sqm						
	Compound Wall							
	E/S		2	18.15		2.30	83.49	
			2	3.60		1.60	11.52	
	S/S		2	15.00		1.80	54.00	
			2	15.00		2.00	60.00	
			2	4.40		2.10	18.48	
	W/S		2	18.20		2.40	87.36	
			1	13.15		1.60	21.04	
			1	5.00		2.10	10.50	
	N/S		1	10.20		1.60	16.32	
			2	18.20		2.00	72.80	

SI No	Description of work	Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D		
	Total						435.51	238.75
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-120,I No-15.53.2)	Sqm						
	E/S		2	18.15		2.30	83.49	
			2	3.60		1.60	11.52	
	S/S		2	15.00		1.80	54.00	
			2	15.00		2.00	60.00	
			2	4.40		2.10	18.48	
	W/S		2	18.20		2.40	87.36	
			1	13.15		1.60	21.04	
			1	5.00		2.10	10.50	
	N/S		1	10.20		1.60	16.32	
			2	18.20		2.00	72.80	
	Total						435.51	93.31
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification. (P.No-45,I No-7.37)	Sqm						
	Total		Not Executed			0.00	2755.26	0.00
13	KSRB 15-18.2 : Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications. (P.No-123,I No-15.74)	Sqm						
	Total		Not Executed			0.00	86.90	0.00

Sl No	Description of work	Mesurement				Qty	Rate	Amount
		Unit	No.	L	B	D		
14	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate conforming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire chargedof machines,all lead and lift charges etc., complete as per specifications. - do with OPC at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum Pg No.176Item No.22.6.1	Cum						
	infront of RO Plant							
	CC Road		1	10.50	7.00	0.10	7.35	
			1	7.20	3.30	0.10	2.38	
			1	10.00	1.00	0.10	1.00	
	Total						10.73	4413.68
								47341.00
15	Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of all materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge	Sqm						
	Total		Not Executed				0.00	4589.05
	EIRL							0.00
E1	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete P.No. 30, I. No. 5.42.2 KPWD Electrical SR 2019-20	Sq.Cm						
	16SWG		2x2	120.00	60.00		28800.00	
			2	360.00	25.00		18000.00	
							46800.00	0.30
								13874.00
	Basic Rate	0.35						

SI No	Description of work	Measurement					Qty	Rate	Amount
		Unit	No.	L	B	D			
	Tender Premium @ 15.30% Below	-0.05							
	Grand Total	0.30							
E2	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975GROUP-A P No. 40 / I No. 6.4.3 4 core 16 Sqmm KPWD Electrical SR 2019-20	Mtr	4	35.00			140.00	127.05	17787.00
	Basic Rate	150.00							
	Tender Premium @ 15.30% Below	-22.95							
	Grand Total	127.05							
E3	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. P No. 41 / I No. 6.5.1 (6Sqmm to 16 Sqmm) KPWD Electrical SR 2019-20	Mtr	4	35.00			140.00	10.06	1409.00
	Basic Rate	11.88							
	Tender Premium @ 15.30% Below	-1.82							
	Grand Total	10.06							
E4	Submersible Cable 1x3x6.0 Sq.mm (PWD SR 2018-19 Page No. XLVII SI No. 8)	M	1	150.00			150	121.97	18295.00
	Basic Rate	144.00							
	Tender Premium @ 15.30% Below	-22.03							
	Grand Total	121.97							
Grand Total								755294.00	
Rupees Seven Lakh(s) Fifty Five Thousand Two Hundred Ninety Four Only									

Technical Sanction
Accorded For RS 258294
Head of A/C P 3291
CER NO 11 Dt. 26.09.20
TA CE (YMK)

Rupees Seven Lakh(s) Fifty Five Thousand Two Hundred Ninety Four Only

CERTIFICATE:

- 1 The work spot has been inspected and the work is found necessary.
- 2 This estimate is prepared as per PWD SR 2018-19, PWD Electrical 2019-20, PRED 2019-20, +/- Tender Premium.
- 3 The provisions were made in this estimate are necessary and adequate.
- 4 This work comes under B.B.M.P. limits.

Smita N K
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Ward No. 10

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